

PATENT COOPERATION TREATY

TRANSLATION

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing
(day/month/year)

Applicant's or agent's file reference

PCT-RI-108

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2005/000294

International filing date (day/month/year)

13.01.2005

Priority date (day/month/year)

13.01.2004

International Patent Classification (IPC) or both national classification and IPC

Applicant

RIGHT MFG, CO., LTD.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

WRITTEN OPINION OF THE
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International application No.

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Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language
_____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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International application No.

PCT/JP2005/000294

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-22	YES
	Claims		NO
Inventive step (IS)	Claims	20	YES
	Claims	1-19, 21, 22	NO
Industrial applicability (IA)	Claims	1-22	YES
	Claims		NO
2. Citations and explanations:			
<p>Document 1: JP, 7-204284, A (Hitachi Medical Corp.), 8 August, 1995 (08.08.95), paragraph [0012] and Fig. 3</p> <p>Document 2: JP, 2002-355242, A (GE Medical Systems Global Technology Co., Ltd.), 10 December, 2002 (10.12.02), paragraph [0014] and Fig. 4</p> <p>Document 3: JP, 2002-242968, A (Honda Motor Co., Ltd.), 28 August, 2002 (28.08.02), paragraph [0032], and Figs. 3 and 4</p> <p>Document 4: JP, 62-136338, A (Daihatsu Motor Co., Ltd.), 19 June, 1987 (19.06.87), full text and all drawings</p> <p>Document 5: JP, 3-143455, A (Toshiba Corp.), 19 June, 1991 (19.06.91), line 14, lower left column, page 4 to line 2, and lower right column</p> <p>Document 6: Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 85175/1983 (Laid-open No. 191869/1984), 19 December, 1984 (19.12.84), full text and all drawings (Family: none)</p> <p>Document 7: JP, 2002-186677, A (Toshiba Corp.), 2 July, 2002 (02.07.02), paragraph [0021] and Fig. 2</p> <p>Document 8: JP, 7-10282, B2 (Mitsubishi Electric Corp.), 8 February, 1995 (08.02.95), line 39, right column, page 2 to line 3, left column, page 3, and Fig. 7</p> <p>Claims 1, 8, 9, 18, 19, 21 and 22</p> <p>Document 1 describes a device for limiting the field on which radiation is irradiated to the desired area by means of aperture blades arranged in the thickness direction.</p> <p>Document 2 describes a technique for providing a device for limiting the field on which radiation is irradiated with (1) a flexible linear member fixed to a thickness section of aperture blades and (2) a drive section where the linear member is driven.</p> <p>Claim 2, 7 and 10</p> <p>Document 3 describes a drive section consisting of (1) a drive shaft and (2) a moving element which moves in the direction of the axis of the drive shaft as the drive shaft rotates and to which a linear member is connected.</p> <p>Claims 3, 4 and 6</p> <p>Document 4 describes a technique for providing a torque control section and a clutch mechanism.</p> <p>Document 5 describes a technique for providing a position-detecting section where the position of aperture blades is detected.</p> <p>Claim 11</p>			

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Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

Document 6 describes a technique for providing an absolute position sensor and a relative position sensor.

Claim 12-15

Document 7 describes a technique for arranging aperture blades through a moving element.

Document 8 describes a technique for projecting the side face of an aperture blade in the thickness direction. It is what a person skilled in the art could have easily carried out to hold a moving body by means of a portion projecting in the thickness direction.

Claims 16 and 17

Document 8 describes a technique for providing a screening section where radiation is screened to an opening between adjacent aperture blades.